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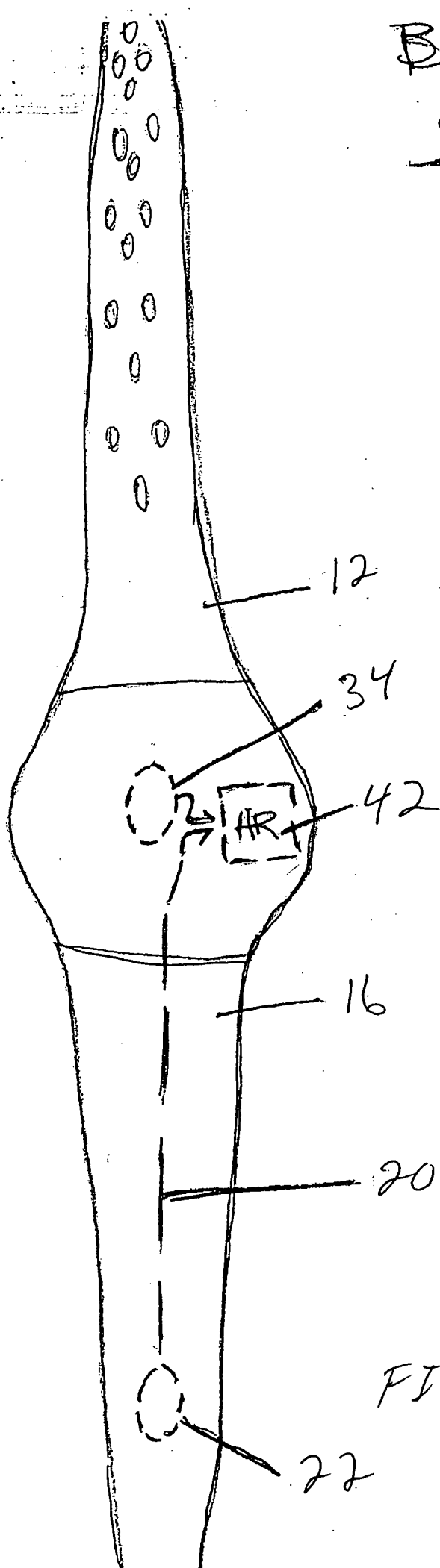
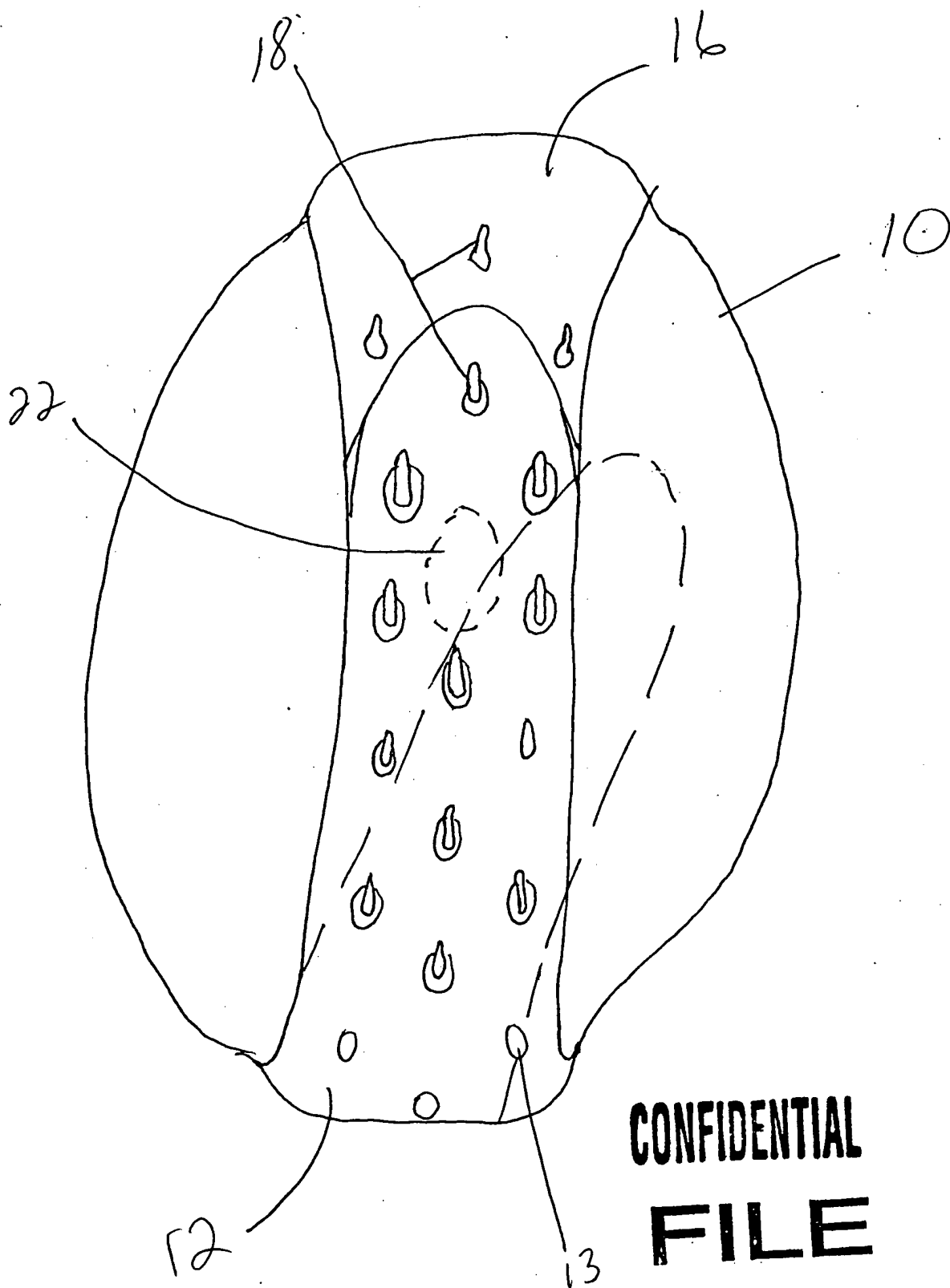


FIG 2

**CONFIDENTIAL  
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**CONFIDENTIAL  
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FIG 3

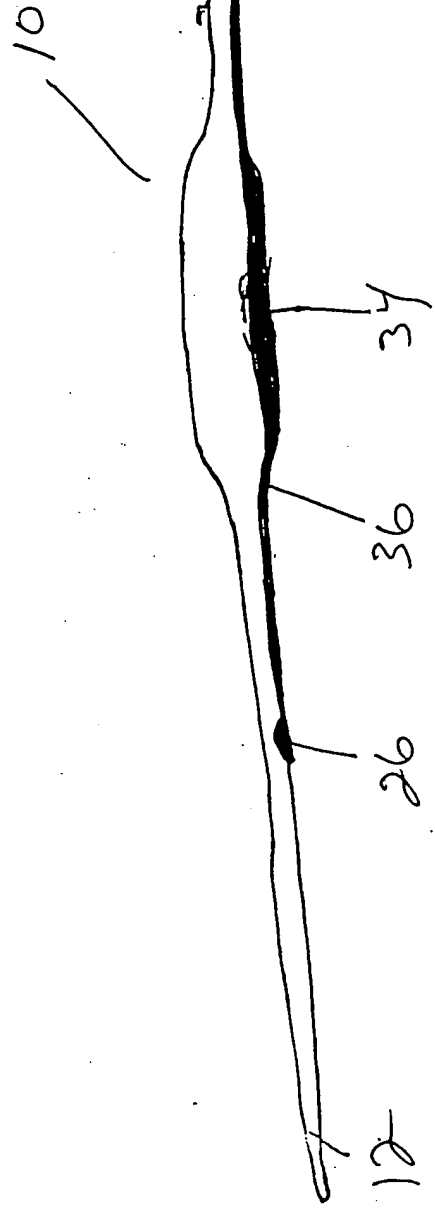


FIG 4

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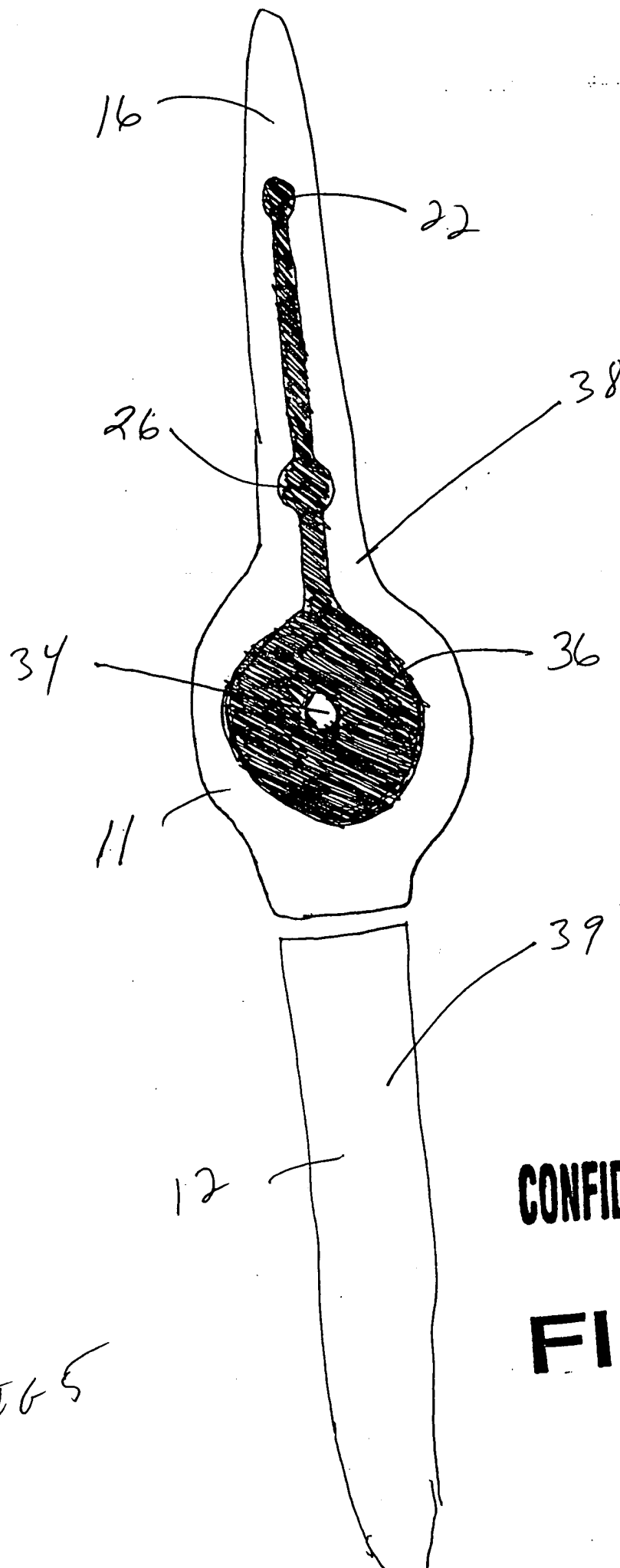


FIG 5

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PTL

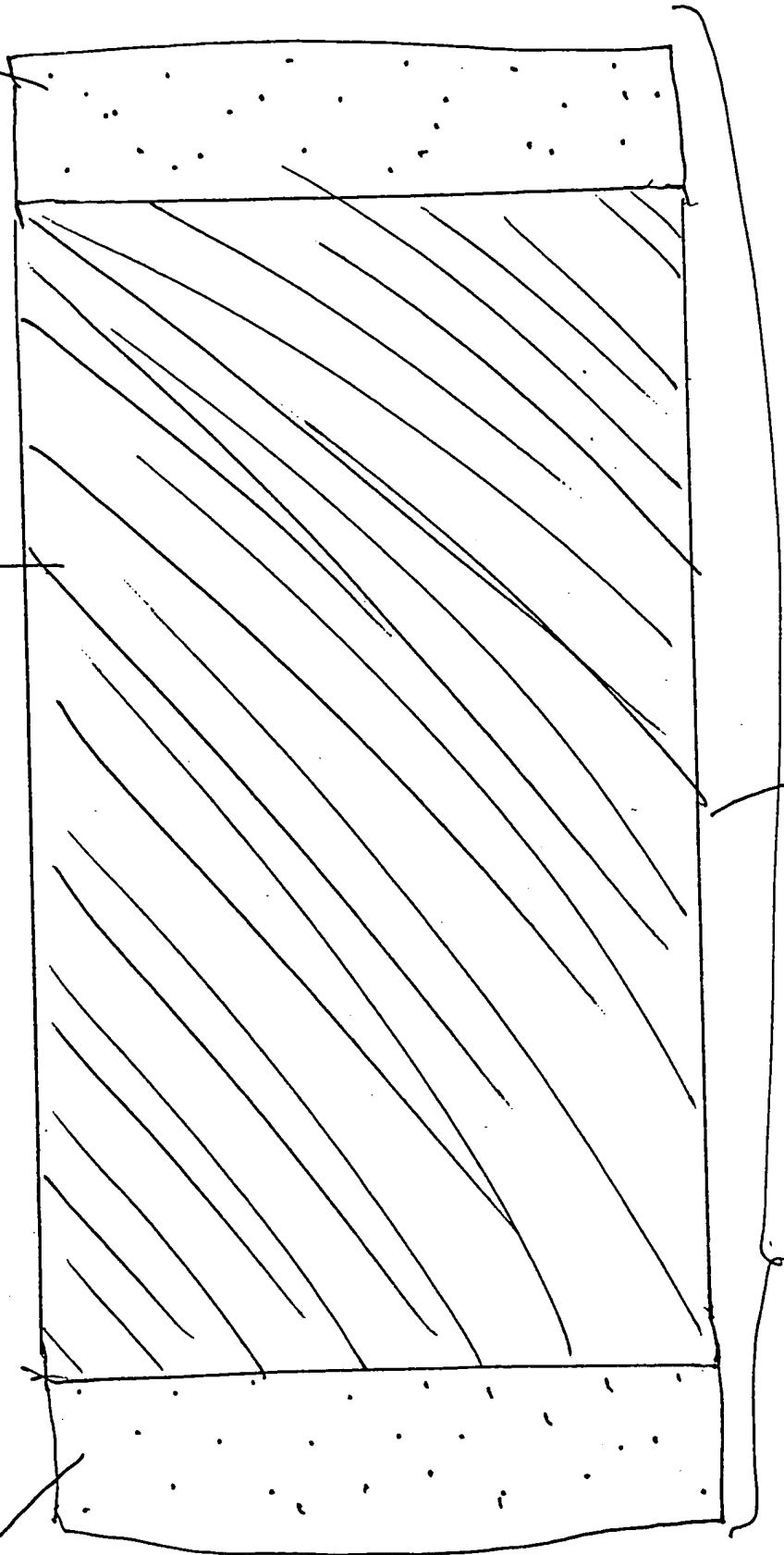
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70B

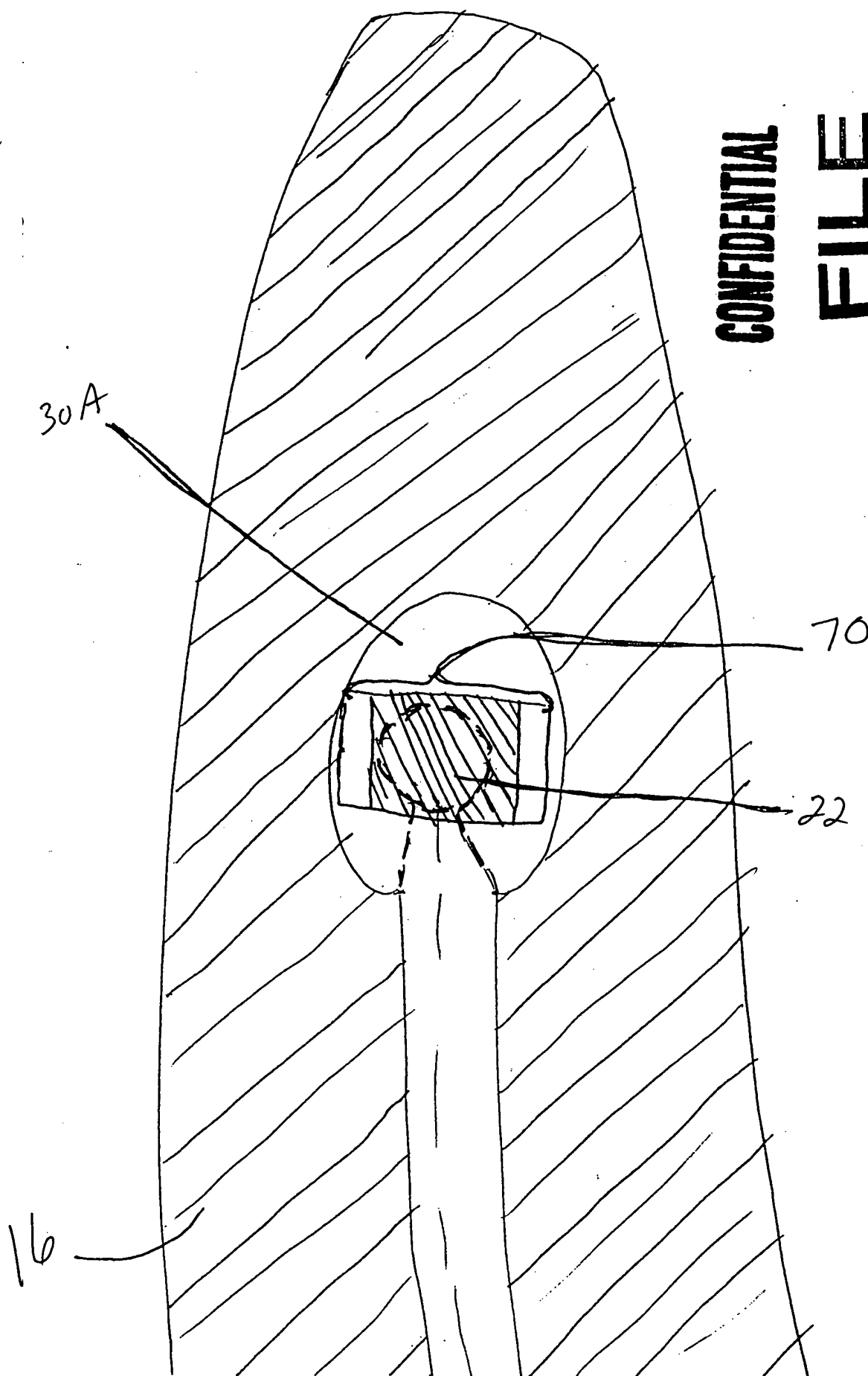
70A

70

70B



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**FILE**



FTB 7



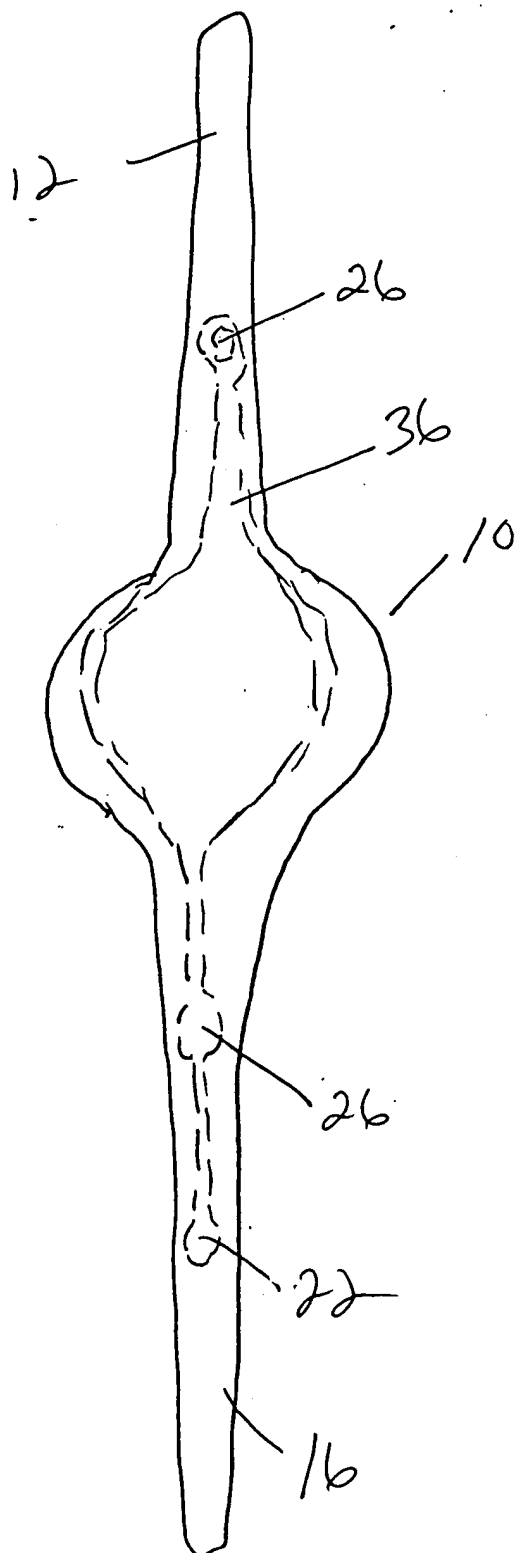


FIG 8A

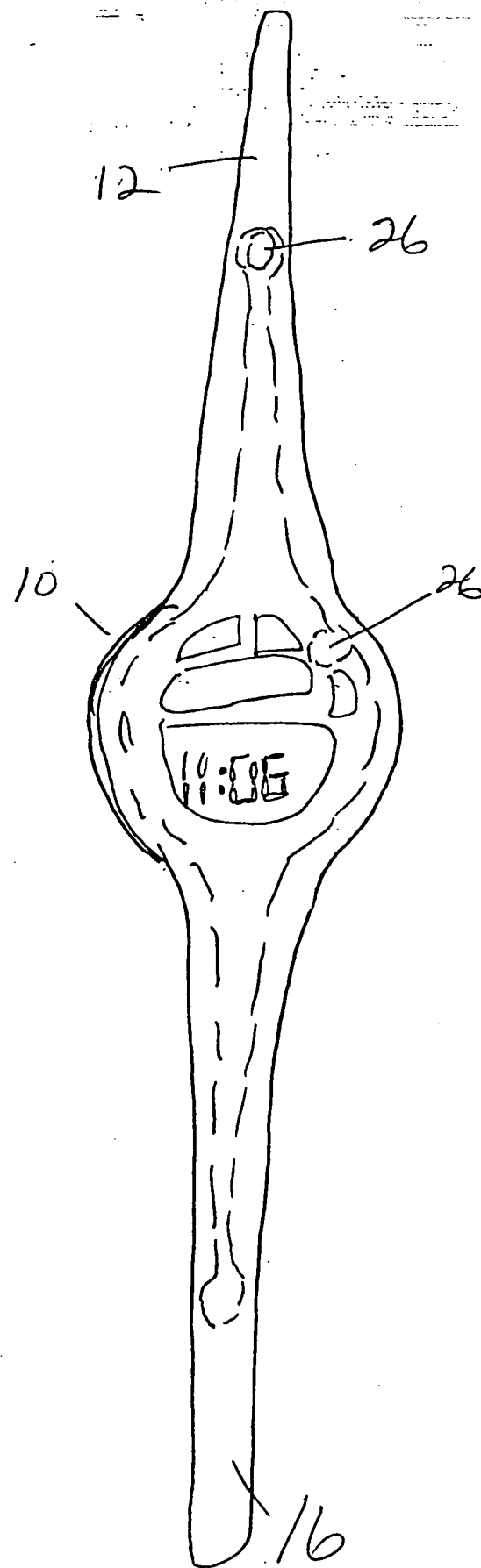


FIG 8B

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**FILE**

FIC 9

**CONFIDENTIAL FILE**

48

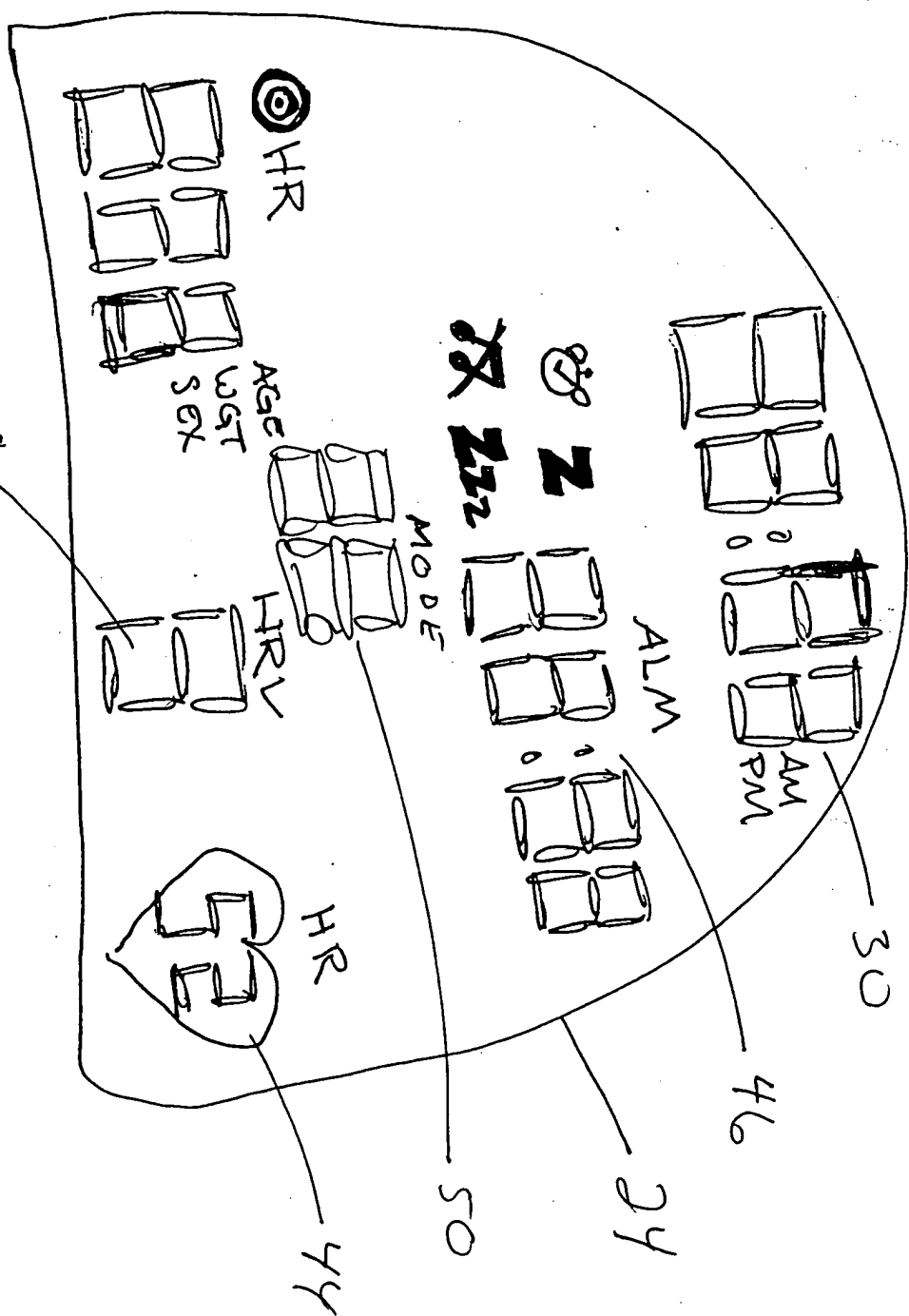
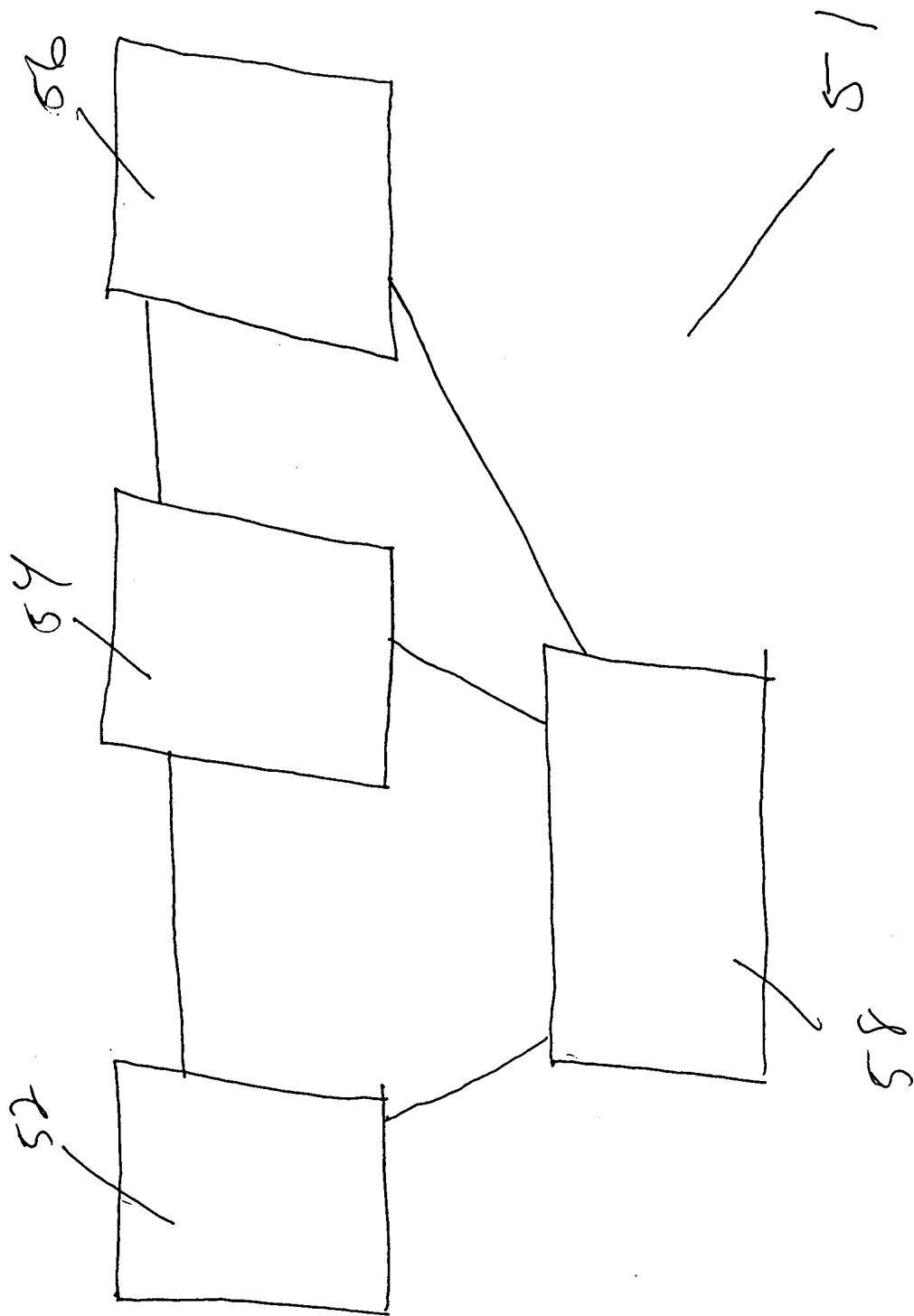


FIG 10



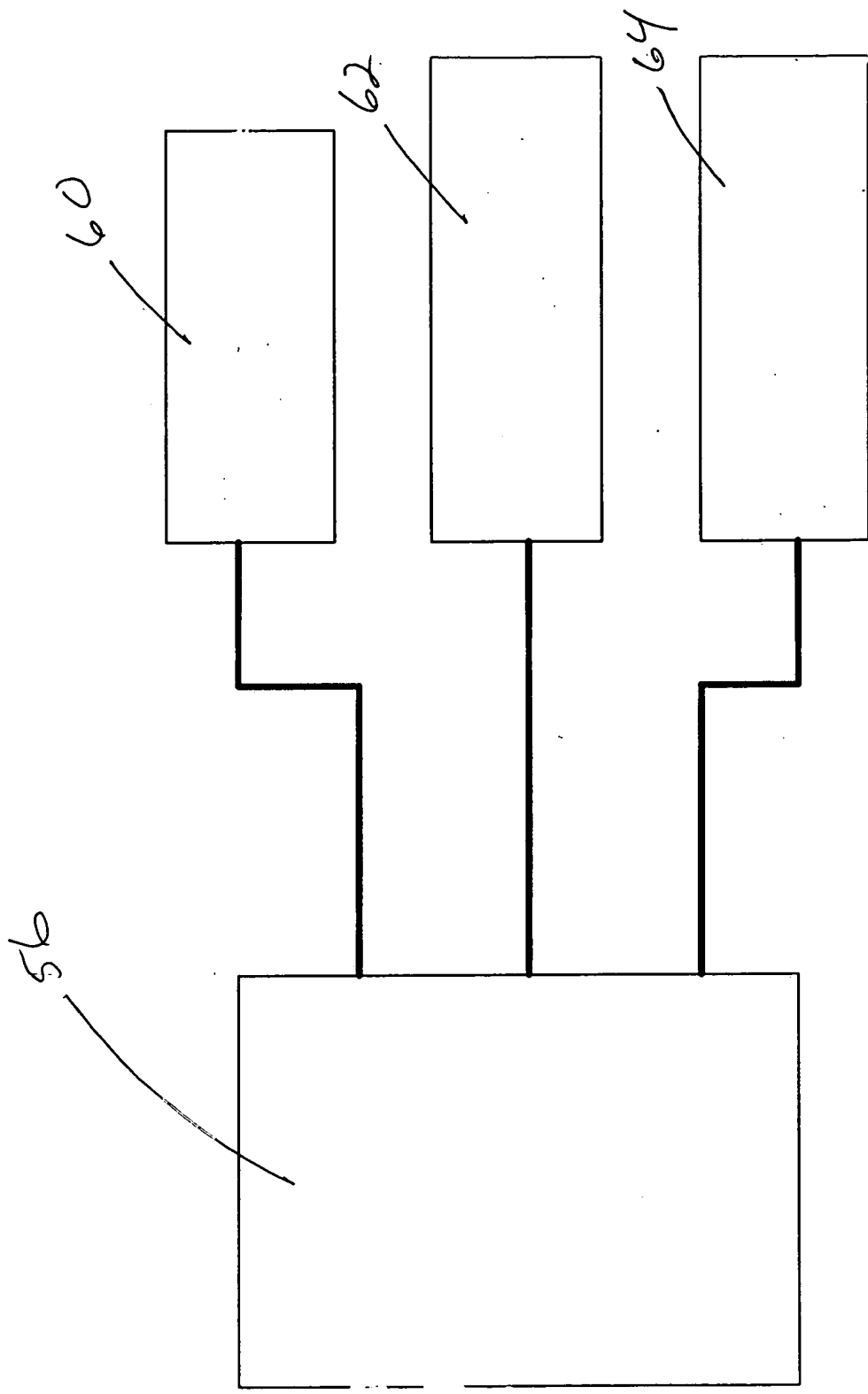


FIG 11

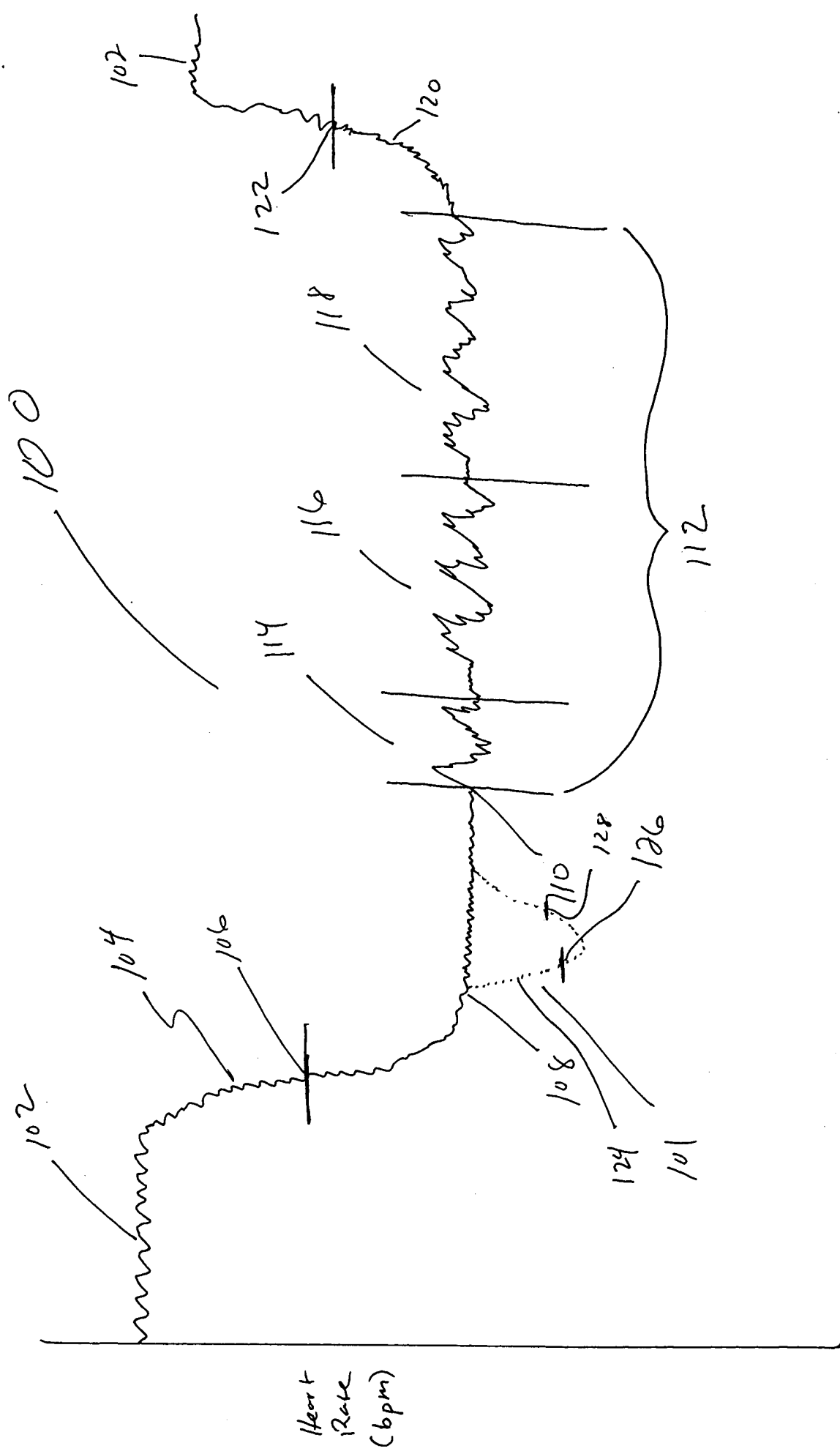


FIG-12

Enter Timed Sleep Mode — 202

Program Desired Sleep Duration and Desired Waking Prompt — 204

Calculate Awake Heart Rate Parameters — 206

Continuously Monitor Heart Rate for Sleep Entry — 208

Recognition of Early Stages of Sleep — 210

Initiate Waking Prompt Timer — 210

Continuously Monitor Heart Rate — 214

Waking Prompt Timer Expires — 216

Activate Waking Prompt — 218

200

**FIG 13**

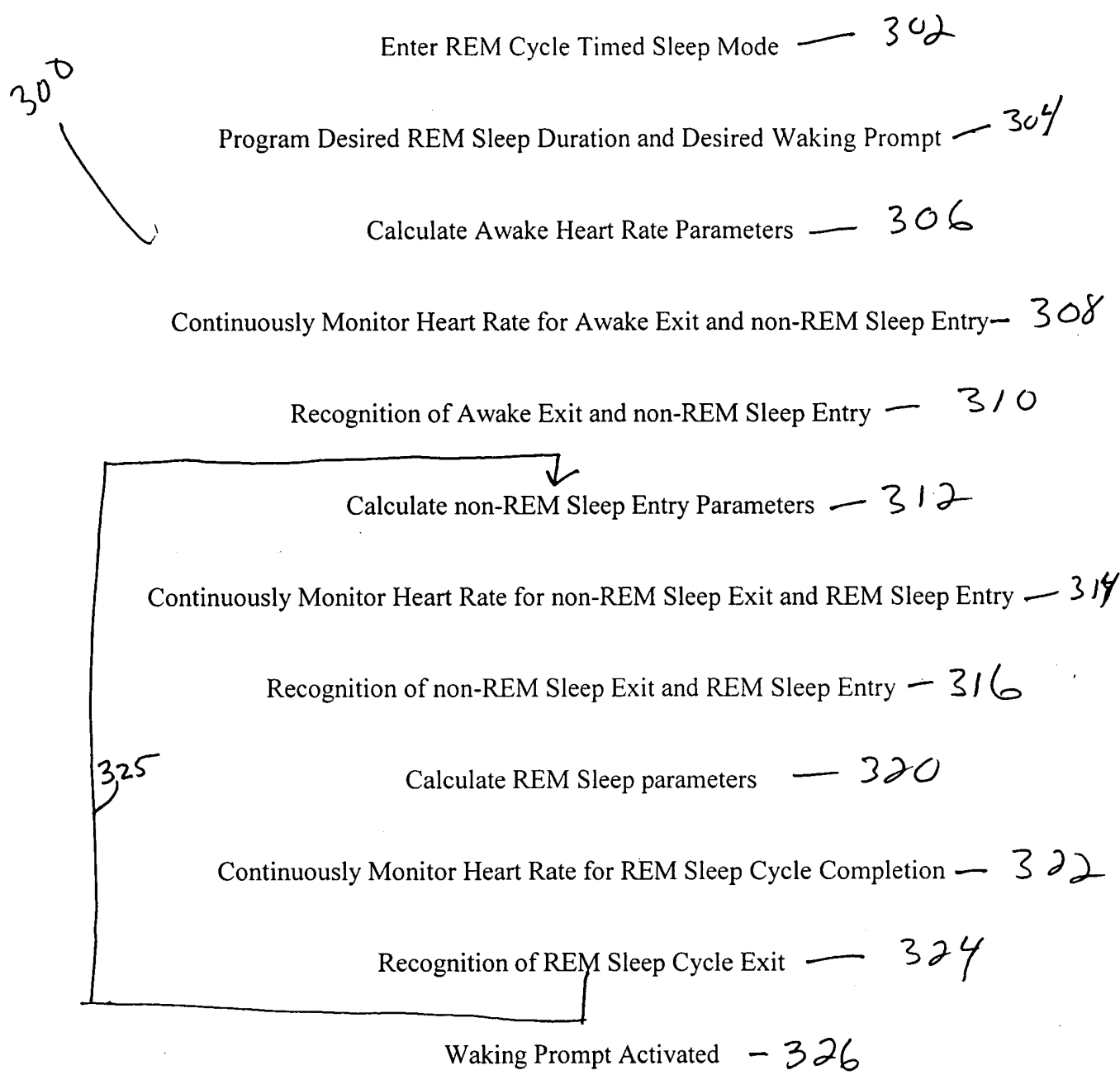


FIG 14

Enter Timed Sleep Mode — 402

Calculate Awake Heart Rate Parameters — 408 / 400

Continuously Monitor Heart Rate for Awake Exit and non-REM Sleep Entry — 410

Recognition of Awake Exit and non-REM Sleep Entry — 412

Calculate non-REM Sleep Entry Parameters — 416

Continuously Monitor Heart Rate for non-REM Sleep Exit and REM Sleep Entry — 418

Recognition of non-REM Sleep Exit and REM Sleep Entry — 420

Activate Waking Prompt — 422

**FIG 15**



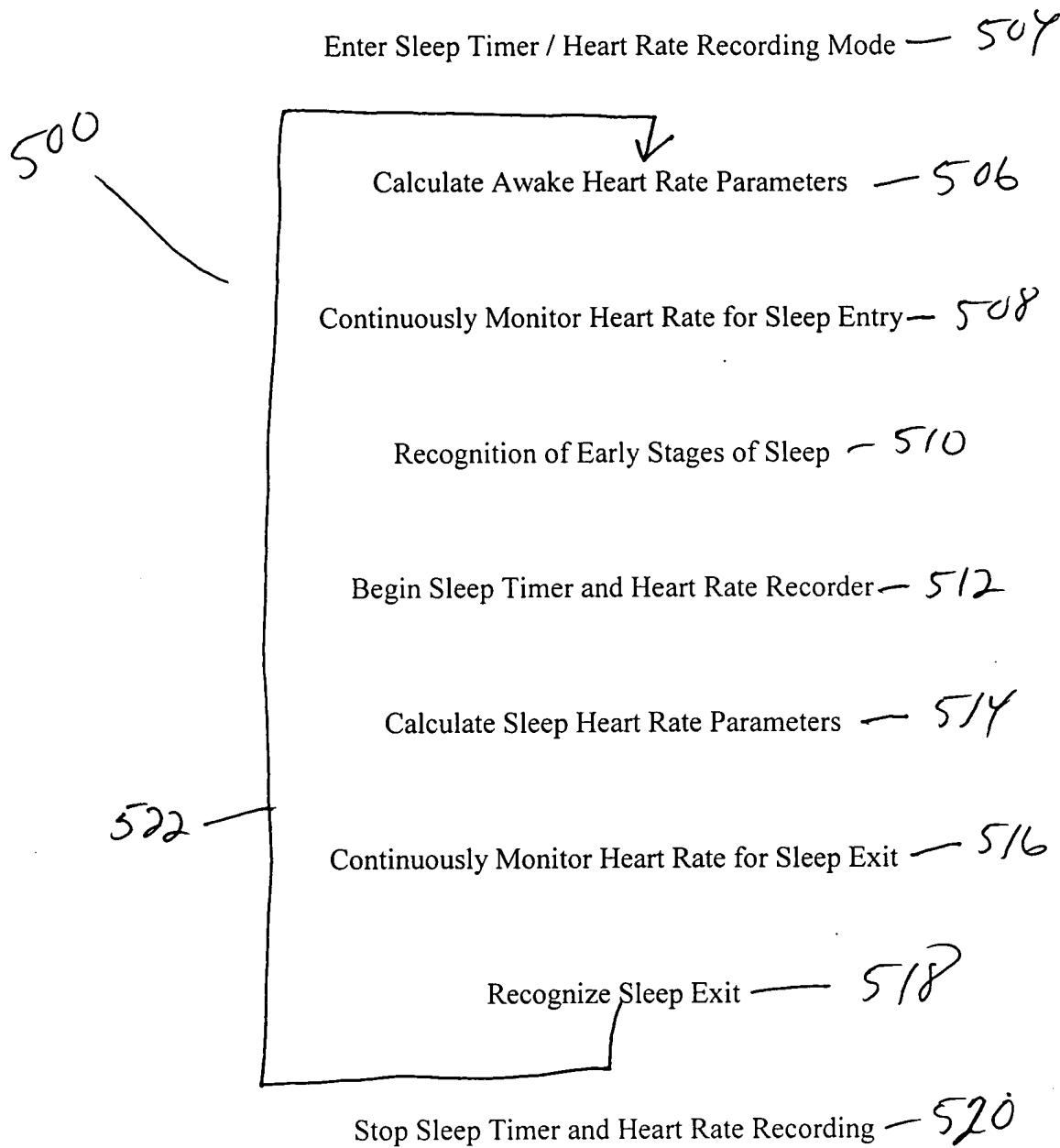


FIG 16

Enter Sleep Apnea Mode — 604

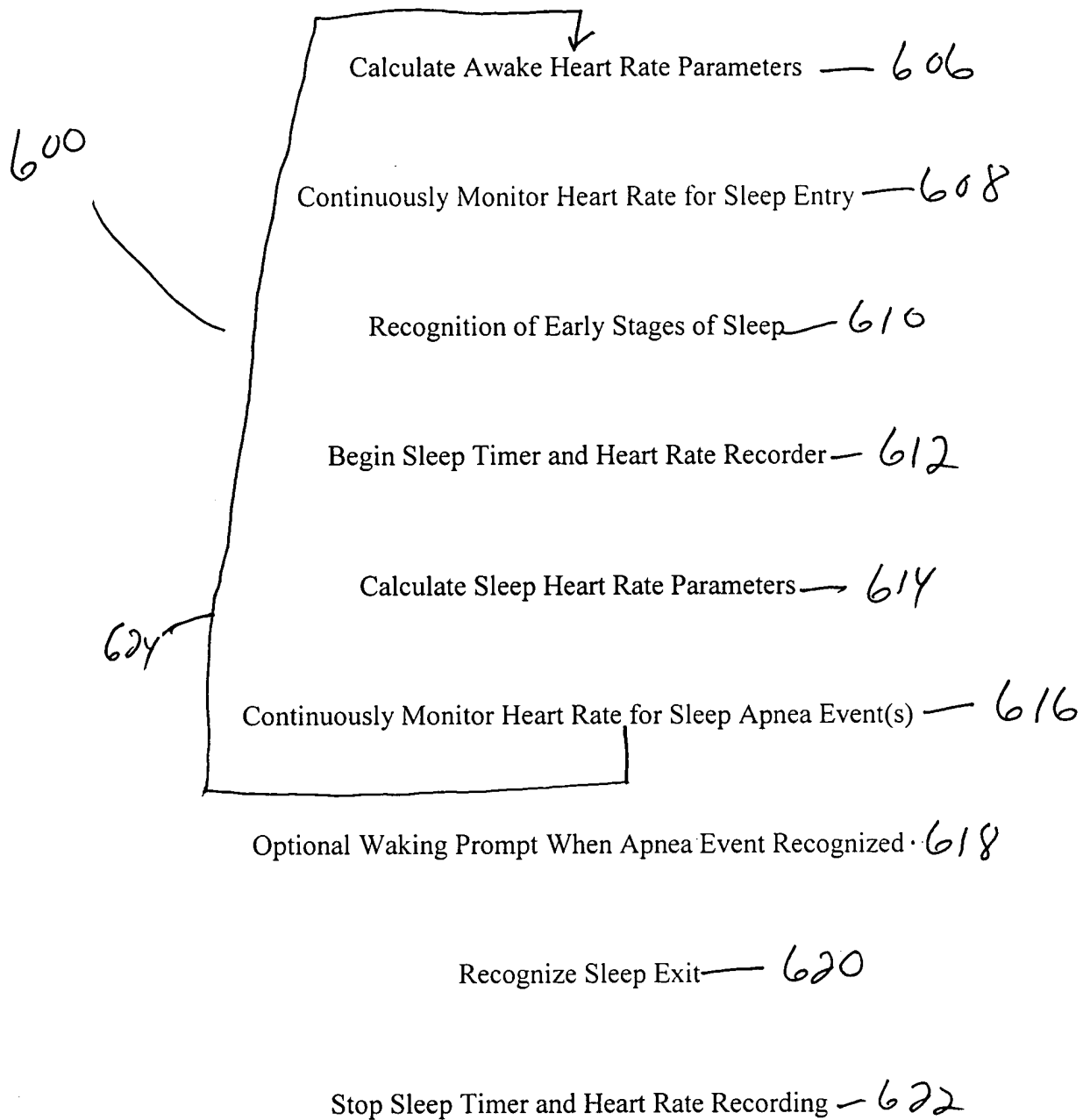


FIG 17

700  
Integrate Heart Rate Monitor With Home Control Unit and Central Home Computer — 702

Enter Remote Home Control Mode — 704

Home in Wake Mode — 708

Calculate Awake Heart Rate Parameters — 710

Continuously Monitor Heart Rate for Sleep Entry — 712

Recognition of Early Stages of Sleep — 714

Transmit Signal to Home Control Receiver(s) and, in turn, to Central Home Computer — 716

Central Home Computer Places Home in Sleep Mode — 718

Calculate Sleep Heart Rate Parameters — 720

Continuously Monitor Heart Rate for Sleep Exit — 722

Recognize Sleep Exit — 724

Transmit Wake Signal to Home Control Receiver(s) and, in turn, to Central Home Computer — 726

Central Home Computer Places Home in Wake Mode — 728

**FIG 18**